

ABSTRACT

A communication system includes an optical network, a first POP, and a second POP.

The first POP receives user communications from a first user system and transfers the user communications to the optical network over a first optical wavelength. The optical

5 network transfers first user communications to the second POP over the first optical wavelength. The second POP transfers the user communications to a second user system.

Responsive to a problem with the transfer of the user communications over the first optical wavelength, the first POP transfers the user communications to the optical

network over a second optical wavelength, and the optical network transfers the user

10 communications to the second POP over the second optical wavelength.